

**DECLARATION FOR UTILITY OR DESIGN  
PATENT APPLICATION  
(37 CFR 1.63)**

Attorney Docket No.: 126932 (GEMS-0182 PA)

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

### IMAGE QUALITY IMPROVEMENT FOR *SENSE* WITH LOW SIGNAL

the specification of which:

(check one)    ☒ [ X ]    is attached hereto  
                    ☐ [     ]    was filed on \_\_\_\_\_; as U.S. Application Serial No. \_\_\_\_\_; and was amended on  
                    (if applicable)  
                    OR PCT International Application Number

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56.

I hereby claim foreign priority benefits under 35 USC §119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT International Application which designated at least one country other than the United States of America, listed below and have also identified below any foreign application for patent or inventor's certificate, or of any PCT International Application having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s):

Priority Claimed		Certified Copy Attached	
Yes	No	Yes	No

(Number)	(Country)	(Day/Month/Year Filed)
1	USA	10/10/2019
2	USA	10/10/2019
3	USA	10/10/2019
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5	USA	10/10/2019
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99	USA	10/10/2019
100	USA	10/10/2019

I hereby claim the benefit under 35 USC §120 of any United States application(s), or 365(c) of any PCT International Application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International Application in the manner provided by the first paragraph of 35 USC §112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

Prior U.S. Application(s) OR  
PCT Parent Number:

(Serial Number)	(Day/Month/Year Filed)	(Patented, pending, abandoned)
1	1/1/2000	Patented
2	2/1/2000	Pending
3	3/1/2000	Abandoned
4	4/1/2000	Patented
5	5/1/2000	Pending
6	6/1/2000	Abandoned
7	7/1/2000	Patented
8	8/1/2000	Pending
9	9/1/2000	Abandoned
10	10/1/2000	Patented
11	11/1/2000	Pending
12	12/1/2000	Abandoned
13	1/1/2001	Patented
14	2/1/2001	Pending
15	3/1/2001	Abandoned
16	4/1/2001	Patented
17	5/1/2001	Pending
18	6/1/2001	Abandoned
19	7/1/2001	Patented
20	8/1/2001	Pending
21	9/1/2001	Abandoned
22	10/1/2001	Patented
23	11/1/2001	Pending
24	12/1/2001	Abandoned
25	1/1/2002	Patented
26	2/1/2002	Pending
27	3/1/2002	Abandoned
28	4/1/2002	Patented
29	5/1/2002	Pending
30	6/1/2002	Abandoned
31	7/1/2002	Patented
32	8/1/2002	Pending
33	9/1/2002	Abandoned
34	10/1/2002	Patented
35	11/1/2002	Pending
36	12/1/2002	Abandoned
37	1/1/2003	Patented
38	2/1/2003	Pending
39	3/1/2003	Abandoned
40	4/1/2003	Patented
41	5/1/2003	Pending
42	6/1/2003	Abandoned
43	7/1/2003	Patented
44	8/1/2003	Pending
45	9/1/2003	Abandoned
46	10/1/2003	Patented
47	11/1/2003	Pending
48	12/1/2003	Abandoned
49	1/1/2004	Patented
50	2/1/2004	Pending
51	3/1/2004	Abandoned
52	4/1/2004	Patented
53	5/1/2004	Pending
54	6/1/2004	Abandoned
55	7/1/2004	Patented
56	8/1/2004	Pending
57	9/1/2004	Abandoned
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59	11/1/2004	Pending
60	12/1/2004	Abandoned
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73	1/1/2006	Patented
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81	9/1/2006	Abandoned
82	10/1/2006	Patented
83	11/1/2006	Pending
84	12/1/2006	Abandoned
85	1/1/2007	Patented
86	2/1/2007	Pending
87	3/1/2007	Abandoned
88	4/1/2007	Patented
89	5/1/2007	Pending
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91	7/1/2007	Patented
92	8/1/2007	Pending
93	9/1/2007	Abandoned
94	10/1/2007	Patented
95	11/1/2007	Pending
96	12/1/2007	Abandoned
97	1/1/2008	Patented
98	2/1/2008	Pending
99	3/1/2008	Abandoned
100	4/1/2008	Patented

I hereby claim the benefit under 35 USC § 119(e) of any United States provisional application listed below:

(Application Number) (Day/Month/Year Filed)

As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 USC 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

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